

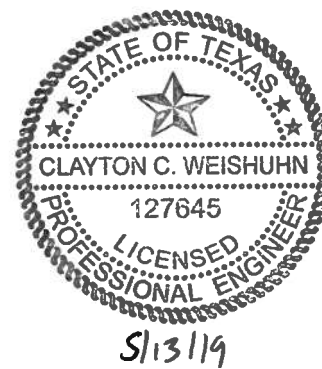
**BID TABULATION FOR:**

**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
**TABULATION BY:**  
**TABULATION DATE:**  
**LJA JOB NO.**

CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
TO SERVE KATY LAKES SECTIONS 2 AND 3  
HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
MAY 9, 2019  
LJA ENGINEERING, INC.  
L. MARTINEZ  
MAY 10, 2019  
2636-0100 (9.2)

BIDDER'S NAME	TOTAL AMOUNT BID	TOTAL AMOUNT BID INCLUDING ALTERNATE
1) ANCHOR EXCAVATORS, INC.	\$1,223,228.69	\$3,125,900.05
2) LINDSEY CONSTRUCTION, INC.	\$1,574,168.80	\$3,446,667.20
3) BURNSIDE SERVICES, INC.	\$1,711,240.25	\$3,024,651.45
4) DOUBLE OAK CONSTRUCTION, INC.	\$1,756,325.85	\$3,451,336.25 *
5) S. THOMAS CONSTRUCTION, LLC	\$1,849,122.75	\$2,758,748.75
6) LONNIE LISCHKA COMPANY, LP	\$1,864,681.60	\$3,834,798.40
7) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY	\$1,999,368.15	\$3,556,825.35
8) HARRIS CONSTRUCTION COMPANY, LTD.	\$2,130,721.25	\$3,027,035.65
9) R & T ELLIS EXCAVATING, INC.	\$2,664,011.05	\$3,817,683.05 *

CALENDAR DAYS - 30 (SECTION 2 FILL PORTION); 90 (SECTION 3 FILL PORTION);  
130 (COMPLETION)



*Clayton C. Weishuhn*

I, Clayton Weishuhn, P.E., hereby certify these bid tabulations to be true and correct.

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ITEM	DESCRIPTION	UNIT	QTY	1) ANCHOR EXCAVATORS, INC.		2) LINDSEY CONSTRUCTION, INC.		3) BURNSIDE SERVICES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DETENTION EXCAVATION ITEMS</b>									
1.	DETENTION EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	88,744	\$1.05	\$93,181.20	\$1.35	\$119,804.40	\$2.20	\$195,236.80
2.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED DETENTION MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	88,744	\$1.25	\$110,930.00	\$1.90	\$168,613.60	\$1.20	\$106,492.80
3.	AMENITY EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	114,870	\$1.05	\$120,613.50	\$1.65	\$189,535.50	\$2.20	\$252,714.00
4.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED AMENITY MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	114,870	\$1.25	\$143,587.50	\$1.90	\$218,253.00	\$1.20	\$137,844.00
5.	MITIGATION EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	4,356	\$1.05	\$4,573.80	\$1.35	\$5,880.60	\$2.20	\$9,583.20
6.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED MITIGATION MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	4,356	\$1.25	\$5,445.00	\$1.90	\$8,276.40	\$1.20	\$5,227.20
7.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS, COMPLETE IN PLACE	SY	101,127	\$0.50	\$50,563.50	\$1.20	\$121,352.40	\$1.00	\$101,127.00
8.	CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	3	\$2,088.00	\$6,264.00	\$5,830.00	\$17,490.00	\$7,500.00	\$22,500.00
<b>SUBTOTAL DETENTION EXCAVATION ITEMS</b>					<b>\$535,158.50</b>		<b>\$849,205.90</b>		<b>\$830,725.00</b>
<b>DETENTION DRAINAGE ITEMS</b>									
1.	24" STORM SEWER, RCP, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING, COMPLETE IN PLACE	LF	8	\$50.00	\$400.00	\$87.00	\$696.00	\$100.00	\$800.00
2.	36" STORM SEWER, RCP, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING, COMPLETE IN PLACE	LF	167	\$100.00	\$16,700.00	\$128.00	\$21,376.00	\$125.00	\$20,875.00
3.	6'X4' STORM SEWER, RCB, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	370	\$400.00	\$148,000.00	\$398.00	\$147,260.00	\$450.00	\$166,500.00
4.	10'X5' STORM SEWER, RCB, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	124	\$850.00	\$105,400.00	\$764.00	\$94,736.00	\$1,000.00	\$124,000.00
5.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$3,239.00	\$3,239.00	\$2,800.00	\$2,800.00
6.	STORM JUNCTION BOX WITH TYPE "C" MANHOLE TOP FOR 6'X4' RCB, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$17,000.00	\$17,000.00	\$15,712.00	\$15,712.00	\$3,500.00	\$3,500.00
7.	8" BRICK WALL PLUG FOR 24" RCP, COMPLETE IN PLACE	EA	3	\$250.00	\$750.00	\$179.00	\$537.00	\$500.00	\$1,500.00
8.	8" BRICK WALL PLUG FOR 36" RCP, COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$268.00	\$268.00	\$500.00	\$500.00
9.	TRENCH SAFETY SYSTEM, ALL DEPTHS, INCLUDING TRENCH SAFETY FOR STORM SEWER PIPES, COMPLETE IN PLACE	LF	669	\$0.88	\$588.72	\$1.00	\$669.00	\$1.00	\$669.00
10.	OVERFLOW SWALE, 2' BOTTOM WIDTH, 3:1 SIDE SLOPES, COMPLETE IN PLACE	LF	3,178	\$3.00	\$9,534.00	\$3.50	\$11,123.00	\$5.50	\$17,479.00
11.	DRAINAGE SWALES, V-BOTTOM, 4:1 SIDE SLOPES, COMPLETE IN PLACE	LF	1,263	\$3.00	\$3,789.00	\$2.30	\$2,904.90	\$2.75	\$3,473.25

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 L. MARTINEZ  
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ITEM	DESCRIPTION	UNIT	QTY	1) ANCHOR EXCAVATORS, INC.		2) LINDSEY CONSTRUCTION, INC.		3) BURNSIDE SERVICES, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	DEWATERING OF STORM SEWER LINE WORK, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$20.00	\$4,000.00	\$26.50	\$5,300.00	\$28.00	\$5,600.00
13.	HAUL, PLACE, AND COMPACT STORM SEWER UTILITY SPOIL ON LOTS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$888.00	\$888.00	\$3,270.00	\$3,270.00	\$1,500.00	\$1,500.00
14.	5" REINFORCED CONCRETE SLOPE PAVING, INCLUDING 3' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	112	\$79.00	\$8,848.00	\$111.00	\$12,432.00	\$100.00	\$11,200.00
15.	RIP RAP FOR 10'X5' RCB STORM SEWER, INCLUDES GEOTECHNICAL WOVEN FABRIC UNDERLAY, COMPLETE IN PLACE	SY	90	\$90.00	\$8,100.00	\$74.00	\$6,660.00	\$85.00	\$7,650.00
16.	COFFER DAM FOR LAKES, INCLUDES BYPASS PUMPING TO FACILITATE OUTFALL CONSTRUCTION, COMPLETE IN PLACE	EA	4	\$4,288.00	\$17,152.00	\$5,199.00	\$20,796.00	\$5,000.00	\$20,000.00
17.	CONCRETE OVERFLOW STRUCTURE AT LAKE '4' INTO TRASH COLLECTION RACK (PER DETAIL ON PLAN SHEET 27), TO BE VERIFIED AFTER COMPLETION PRIOR TO PAYMENT, COMPLETE IN PLACE	SY	200	\$79.00	\$15,800.00	\$90.00	\$18,000.00	\$100.00	\$20,000.00
18.	EARTHEN WEIR OVERFLOW STRUCTURE BETWEEN LAKES '3' AND '4' (PER DETAIL ON PLAN SHEET), COMPLETE IN PLACE	EA	1	\$1,200.00	\$1,200.00	\$4,043.00	\$4,043.00	\$5,000.00	\$5,000.00
19.	BREAK INTO EXISTING MANHOLE AND CONNECT PROPOSED 36" STORM SEWER, INCLUDES TEMPORARY BRICK WALL PLUG AND BYPASS PUMPING (AS NEEDED), COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$1,490.00	\$1,490.00	\$500.00	\$500.00
20.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING TYPE 'C' MANHOLE FOR 42" STORM SEWER AND SMALLER, COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$715.00	\$715.00	\$650.00	\$650.00
21.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING 36" STORM SEWER, RCP, ALL CUTS, COMPLETE IN PLACE	LF	68	\$40.00	\$2,720.00	\$25.00	\$1,700.00	\$20.00	\$1,360.00
22.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING 36" STORM SEWER, CMP, ALL CUTS, COMPLETE IN PLACE	LF	78	\$25.00	\$1,950.00	\$24.00	\$1,872.00	\$20.00	\$1,560.00
23.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING STORM SEWER OUTFALL, INCLUDES 5" REINFORCED CONCRETE SLOPE PAVING, COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$4,043.00	\$4,043.00	\$1,500.00	\$1,500.00
24.	CONTRACTOR SHALL MODIFY EXISTING GRADE 1 RIP RAP FOR THE CONSTRUCTION OF PROPOSED 10' X 5' STORM SEWER, RCB, DOES NOT INCLUDE 18" RIP RAP, TO BE VERIFIED AFTER COMPLETION PRIOR TO PAYMENT, COMPLETE IN PLACE	SY	185	\$69.00	\$12,765.00	\$18.00	\$3,330.00	\$40.00	\$7,400.00
25.	CONTRACTOR SHALL DOWEL INTO EXISTING 20' WIDE CONCRETE SHELF AND CONNECT PROPOSED 15' CONCRETE SHELF, INCLUDES CONCRETE SHELF, COMPLETE IN PLACE	LS	1	\$2,500.00	\$2,500.00	\$13,720.00	\$13,720.00	\$15,000.00	\$15,000.00
26.	CONTRACTOR SHALL REPAIR EXISTING LAKE '4' TO ORIGINAL CONDITIONS OR BETTER AFTER INSTALLATION OF PROPOSED 10' X 5' RCB STORM SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$4,043.00	\$4,043.00	\$5,000.00	\$5,000.00
27.	CONTRACTOR SHALL REMOVE AND REPLACE EXISTING OUTFALL WINGWALL STRUCTURES, COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00	\$20,458.00	\$20,458.00	\$20,000.00	\$20,000.00
28.	CONTRACTOR SHALL EXTEND EXISTING HEADWALL STRUCTURE AND CONNECT PROPOSED 10'X5' RCB STORM SEWER (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$27,560.00	\$27,560.00	\$20,000.00	\$20,000.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
29.	AS-BUILT SURVEY OF ALL LAKE AND FILL AREAS UPON COMPLETION, CONTRACTORS SURVEY OR TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 100' MAXIMUM, INCLUDES 3D FILE IN CAD FORMAT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$15,000.00	\$15,000.00	\$9,820.00	\$9,820.00	\$20,000.00	\$20,000.00
30.	CONTRACTOR SHALL CLEAN OUT EXISTING 10' X 5' RCB STORM SEWER OUTFALL INTO HCFCO UNIT U101-00-00 (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$669.00	\$669.00	\$1,733.00	\$1,733.00	\$5,000.00	\$5,000.00
<b>SUBTOTAL DETENTION DRAINAGE ITEMS</b>					<b>\$435,053.72</b>		<b>\$459,505.90</b>		<b>\$511,016.25</b>
<b>MISCELLANEOUS DETENTION ITEMS</b>									
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	15,000	\$1.50	\$22,500.00	\$1.74	\$26,100.00	\$4.00	\$60,000.00
2.	TYPE II ROCK FILTER DAM AS SHOWN ON SHEET 8 OF PLANS, INCLUDES ALL MATERIALS PER HCFCO STORM WATER POLLUTION PREVENTION PLAN DETAILS SHEET 21, COMPLETE IN PLACE	EA	2	\$2,750.00	\$5,500.00	\$4,043.00	\$8,086.00	\$2,800.00	\$5,600.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$200.00	\$4,000.00	\$230.00	\$4,600.00	\$200.00	\$4,000.00
4.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$300.00	\$3,000.00	\$345.00	\$3,450.00	\$300.00	\$3,000.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$3,000.00	\$30,000.00	\$3,000.00	\$30,000.00	\$3,000.00	\$30,000.00
6.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, STOCKPILING, AND SPREADING OF UNSUITABLE MATERIAL AND INCLUDES REPLACEMENT OF MATERIAL BY BLENDING WITH EXCAVATED MATERIAL FROM LAKES OR AS FINAL LIFT UPON FINAL COMPLETION OF FILL, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	50,000	\$1.50	\$75,000.00	\$1.50	\$75,000.00	\$1.50	\$75,000.00
7.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT LAKES, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN LAKES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	400	\$8.00	\$3,200.00	\$8.00	\$3,200.00	\$30.00	\$12,000.00
8.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT LAKES, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN LAKES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	200	\$12.00	\$2,400.00	\$12.00	\$2,400.00	\$40.00	\$8,000.00
9.	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	669	\$17.50	\$11,707.50	\$6.00	\$4,014.00	\$5.00	\$3,345.00
10.	BROADCAST SEEDING AND FINE GRADING, INCLUDES WATERING AND FERTILIZING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	10	\$500.00	\$5,000.00	\$350.00	\$3,500.00	\$450.00	\$4,500.00

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				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCD SECTION 02921, INCLUDES WATERING AND FERTILIZING, (DRY APPLICATION), COMPLETE IN PLACE	AC	42.1	\$1,200.00	\$50,520.00	\$1,100.00	\$46,310.00	\$2,600.00	\$109,460.00
12.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER HARRIS COUNTY SPECIFICATIONS. ALL LINE SIZES AND DEPTHS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$10.00	\$2,000.00	\$10.00	\$2,000.00	\$10.00	\$2,000.00
13.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$577.00	\$577.00	\$500.00	\$500.00
14.	REMOVE AND DISPOSE OF EXISTING BARBED WIRE FENCE AND ANY BRUSH ALONG EXISTING FENCE LINE, COMPLETE IN PLACE	LF	1,576	\$2.00	\$3,152.00	\$1.00	\$1,576.00	\$1.50	\$2,364.00
15.	5 STRAND, 4 POINT GAUCHO BARB WIRE FENCE, T-POST SPACED EVERY 12', 4' CREOSOTE POST EVERY 50', (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3,816	\$3.00	\$11,448.00	\$3.00	\$11,448.00	\$5.00	\$19,080.00
16.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), INCLUDES MAINTENANCE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	4,000	\$1.10	\$4,400.00	\$1.22	\$4,880.00	\$1.30	\$5,200.00
17.	STAGE II INLET PROTECTION BARRIERS, (SAND BAGS FOR EXISTING INLETS), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	17	\$50.00	\$850.00	\$75.00	\$1,275.00	\$50.00	\$850.00
18.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$35.00	\$3,500.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00
19.	CONSTRUCT, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	2	\$3,000.00	\$6,000.00	\$2,888.50	\$5,777.00	\$2,800.00	\$5,600.00
20.	CONCRETE TRUCK WASHOUT, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$650.00	\$650.00	\$500.00	\$500.00
21.	TRASH COLLECTION RACK, COMPLETE IN PLACE	LS	1	\$3,500.00	\$3,500.00	\$22,260.00	\$22,260.00	\$10,000.00	\$10,000.00
22.	PLUG AND CAP EXISTING WATER WELL PER TCEQ AND TDLR REGULATIONS AND SPECIFICATIONS (LOCATED WITHIN EXISTING LAKE 4'), INCLUDES ALL MATERIALS, LABOR, FILINGS WITH TDLR, ETC. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$4,088.97	\$4,088.97	\$6,354.00	\$6,354.00	\$6,500.00	\$6,500.00
<b>SUBTOTAL MISCELLANEOUS DETENTION ITEMS</b>					<b>\$253,016.47</b>		<b>\$265,457.00</b>		<b>\$369,499.00</b>
<b>ALTERNATE BID ITEMS</b>									
1.	HAIL EXCAVATED MATERIAL FROM PROPOSED POND TO OFFITE DISPOSAL AREA IN LIEU OF DETENTION EXCAVATION ITEM NO. 2, COMPLETE IN PLACE	CY	88,744	\$22.69	\$2,013,601.36	\$23.00	\$2,041,112.00	\$16.00	\$1,419,904.00
<b>SUBTOTAL ALTERNATE BID ITEMS</b>					<b>\$2,013,601.36</b>		<b>\$2,041,112.00</b>		<b>\$1,419,904.00</b>
<b>BID SUMMARY</b>									
SUBTOTAL DETENTION EXCAVATION ITEMS					\$535,158.50		\$849,205.90		\$830,725.00
SUBTOTAL DETENTION DRAINAGE ITEMS					\$435,053.72		\$459,505.90		\$511,016.25
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$253,016.47		\$265,457.00		\$369,499.00
<b>TOTAL AMOUNT BID</b>					<b>\$1,223,228.69</b>		<b>\$1,574,168.80</b>		<b>\$1,711,240.25</b>

**BID TABULATION FOR:**

CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
 TO SERVE KATY LAKES SECTIONS 2 AND 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
 MAY 10, 2019  
 2636-0100 (9.2)

**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
**TABULATION BY:**  
**TABULATION DATE:**  
**LJA JOB NO.**

ITEM DESCRIPTION	UNIT	QTY	1) ANCHOR EXCAVATORS, INC.		2) LINDSEY CONSTRUCTION, INC.		3) BURNSIDE SERVICES, INC.	
			UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b><u>ALTERNATE BID</u></b>								
TOTAL AMOUNT BID				\$1,223,228.69		\$1,574,168.80		\$1,711,240.25
DEDUCT DETENTION EXCAVATION ITEM NO. 2				(\$110,930.00)		(\$168,613.60)		(\$106,492.80)
SUBTOTAL ALTERNATE BID ITEMS				\$2,013,601.36		\$2,041,112.00		\$1,419,904.00
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE</b>				<b>\$3,125,900.05</b>		<b>\$3,446,667.20</b>		<b>\$3,024,651.45</b>

LJA Engineering, Inc.

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 MAY 9, 2019  
 LJA ENGINEERING, INC.  
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 2636-0100 (9.2)

**BID OPENING DATE:**  
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**TABULATION DATE:**  
**LJA JOB NO.**

4) DOUBLE OAK CONSTRUCTION, INC.      5) S. THOMAS CONSTRUCTION, LLC      6) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DETENTION EXCAVATION ITEMS</b>									
1.	DETENTION EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	88,744	\$2.40	\$212,985.60	\$2.50	\$221,860.00	\$2.00	\$177,488.00
2.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED DETENTION MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	88,744	\$0.90	\$79,869.60	\$1.75	\$155,302.00	\$2.80	\$248,483.20
3.	AMENITY EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	114,870	\$2.40	\$275,688.00	\$2.50	\$287,175.00	\$2.00	\$229,740.00
4.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED AMENITY MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	114,870	\$0.90	\$103,383.00	\$1.75	\$201,022.50	\$2.80	\$321,636.00
5.	MITIGATION EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	4,356	\$2.40	\$10,454.40	\$2.25	\$9,801.00	\$2.00	\$8,712.00
6.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED MITIGATION MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	4,356	\$0.90	\$3,920.40	\$1.75	\$7,623.00	\$2.80	\$12,196.80
7.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS, COMPLETE IN PLACE	SY	101,127	\$0.50	\$50,563.50	\$1.25	\$126,408.75	\$0.40	\$40,450.80
8.	CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	3	\$300.00	\$900.00	\$650.00	\$1,950.00	\$12,000.00	\$36,000.00
<b>SUBTOTAL DETENTION EXCAVATION ITEMS</b>					<b>\$737,764.50</b>		<b>\$1,011,142.25</b>		<b>\$1,074,706.80</b>
<b>DETENTION DRAINAGE ITEMS</b>									
1.	24" STORM SEWER, RCP, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING, COMPLETE IN PLACE	LF	8	\$93.00	\$744.00	\$150.00	\$1,200.00	\$125.00	\$1,000.00
2.	36" STORM SEWER, RCP, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING, COMPLETE IN PLACE	LF	167	\$135.00	\$22,545.00	\$100.00	\$16,700.00	\$167.20	\$27,922.40
3.	6'X4' STORM SEWER, RCB, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	370	\$420.00	\$155,400.00	\$385.00	\$142,450.00	\$466.40	\$172,568.00
4.	10'X5' STORM SEWER, RCB, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	124	\$800.00	\$99,200.00	\$725.00	\$89,900.00	\$985.00	\$122,140.00
5.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00	\$4,510.00	\$4,510.00
6.	STORM JUNCTION BOX WITH TYPE "C" MANHOLE TOP FOR 6'X4' RCB, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$16,550.00	\$16,550.00	\$15,000.00	\$15,000.00	\$23,918.40	\$23,918.40
7.	8" BRICK WALL PLUG FOR 24" RCP, COMPLETE IN PLACE	EA	3	\$190.00	\$570.00	\$350.00	\$1,050.00	\$200.00	\$600.00
8.	8" BRICK WALL PLUG FOR 36" RCP, COMPLETE IN PLACE	EA	1	\$285.00	\$285.00	\$500.00	\$500.00	\$300.00	\$300.00
9.	TRENCH SAFETY SYSTEM, ALL DEPTHS, INCLUDING TRENCH SAFETY FOR STORM SEWER PIPES, COMPLETE IN PLACE	LF	669	\$1.10	\$735.90	\$1.00	\$669.00	\$1.00	\$669.00
10.	OVERFLOW SWALE, 2' BOTTOM WIDTH, 3:1 SIDE SLOPES, COMPLETE IN PLACE	LF	3,178	\$6.00	\$19,068.00	\$3.00	\$9,534.00	\$4.00	\$12,712.00
11.	DRAINAGE SWALES, V-BOTTOM, 4:1 SIDE SLOPES, COMPLETE IN PLACE	LF	1,263	\$3.60	\$4,546.80	\$5.00	\$6,315.00	\$3.00	\$3,789.00

\* MATHEMATICAL ERROR

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CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
 TO SERVE KATY LAKES SECTIONS 2 AND 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
 MAY 10, 2019  
 2636-0100 (9.2)

**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
**TABULATION BY:**  
**TABULATION DATE:**  
**LJA JOB NO.**

4) DOUBLE OAK CONSTRUCTION, INC.      5) S. THOMAS CONSTRUCTION, LLC      6) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	DEWATERING OF STORM SEWER LINE WORK, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$28.00	\$5,600.00	\$40.00	\$8,000.00	\$30.00	\$6,000.00
13.	HAUL, PLACE, AND COMPACT STORM SEWER UTILITY SPOIL ON LOTS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$5,300.00	\$5,300.00	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00
14.	5' REINFORCED CONCRETE SLOPE PAVING, INCLUDING 3' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	112	\$125.00	\$14,000.00	\$135.00	\$15,120.00	\$150.00	\$16,800.00
15.	RIP RAP FOR 10'X5' RCB STORM SEWER, INCLUDES GEOTECHNICAL WOVEN FABRIC UNDERLAY, COMPLETE IN PLACE	SY	90	\$85.00	\$7,650.00	\$110.00	\$9,900.00	\$95.00	\$8,550.00
16.	COFFER DAM FOR LAKES, INCLUDES BYPASS PUMPING TO FACILITATE OUTFALL CONSTRUCTION, COMPLETE IN PLACE	EA	4	\$9,050.00	\$36,200.00	\$10,000.00	\$40,000.00	\$5,000.00	\$20,000.00
17.	CONCRETE OVERFLOW STRUCTURE AT LAKE '4' INTO TRASH COLLECTION RACK (PER DETAIL ON PLAN SHEET 27), TO BE VERIFIED AFTER COMPLETION PRIOR TO PAYMENT, COMPLETE IN PLACE	SY	200	\$95.00	\$19,000.00	\$135.00	\$27,000.00	\$93.00	\$18,600.00
18.	EARTHEN WEIR OVERFLOW STRUCTURE BETWEEN LAKES '3' AND '4' (PER DETAIL ON PLAN SHEET), COMPLETE IN PLACE	EA	1	\$1,900.00	\$1,900.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00
19.	BREAK INTO EXISTING MANHOLE AND CONNECT PROPOSED 36" STORM SEWER, INCLUDES TEMPORARY BRICK WALL PLUG AND BYPASS PUMPING (AS NEEDED), COMPLETE IN PLACE	EA	1	\$1,600.00	\$1,600.00	\$2,000.00	\$2,000.00	\$1,485.00	\$1,485.00
20.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING TYPE 'C' MANHOLE FOR 42" STORM SEWER AND SMALLER, COMPLETE IN PLACE	EA	1	\$750.00	\$750.00	\$2,000.00	\$2,000.00	\$806.00	\$806.00
21.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING 36" STORM SEWER, RCP, ALL CUTS, COMPLETE IN PLACE	LF	68	\$26.95	\$1,832.60	\$30.00	\$2,040.00	\$55.00	\$3,740.00
22.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING 36" STORM SEWER, CMP, ALL CUTS, COMPLETE IN PLACE	LF	78	\$26.00	\$2,028.00	\$30.00	\$2,340.00	\$55.00	\$4,290.00
23.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING STORM SEWER OUTFALL, INCLUDES 5' REINFORCED CONCRETE SLOPE PAVING, COMPLETE IN PLACE	LS	1	\$11,200.00	\$11,200.00	\$2,500.00	\$2,500.00	\$3,500.00	\$3,500.00
24.	CONTRACTOR SHALL MODIFY EXISTING GRADE 1 RIP RAP FOR THE CONSTRUCTION OF PROPOSED 10' X 5' STORM SEWER, RCB, DOES NOT INCLUDE 18" RIP RAP, TO BE VERIFIED AFTER COMPLETION PRIOR TO PAYMENT, COMPLETE IN PLACE	SY	185	\$140.00	\$25,900.00	\$100.00	\$18,500.00	\$25.00	\$4,625.00
25.	CONTRACTOR SHALL DOWEL INTO EXISTING 20' WIDE CONCRETE SHELF AND CONNECT PROPOSED 15' CONCRETE SHELF, INCLUDES CONCRETE SHELF, COMPLETE IN PLACE	LS	1	\$16,800.00	\$16,800.00	\$30,000.00	\$30,000.00	\$450.00	\$450.00
26.	CONTRACTOR SHALL REPAIR EXISTING LAKE '4' TO ORIGINAL CONDITIONS OR BETTER AFTER INSTALLATION OF PROPOSED 10' X 5' RCB STORM SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$1,800.00	\$1,800.00	\$8,000.00	\$8,000.00	\$2,600.00	\$2,600.00
27.	CONTRACTOR SHALL REMOVE AND REPLACE EXISTING OUTFALL WINGWALL STRUCTURES, COMPLETE IN PLACE	LS	1	\$18,800.00	\$18,800.00	\$30,000.00	\$30,000.00	\$14,100.00	\$14,100.00
28.	CONTRACTOR SHALL EXTEND EXISTING HEADWALL STRUCTURE AND CONNECT PROPOSED 10'X5' RCB STORM SEWER (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$29,000.00	\$29,000.00	\$8,000.00	\$8,000.00	\$3,600.00	\$3,600.00



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 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
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 2636-0100 (9.2)

**BID OPENING DATE:**  
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**LJA JOB NO.**

4) DOUBLE OAK CONSTRUCTION, INC.      5) S. THOMAS CONSTRUCTION, LLC      6) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
29.	AS-BUILT SURVEY OF ALL LAKE AND FILL AREAS UPON COMPLETION, CONTRACTORS SURVEY OR TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 100' MAXIMUM, INCLUDES 3D FILE IN CAD FORMAT. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$18,000.00	\$18,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
30.	CONTRACTOR SHALL CLEAN OUT EXISTING 10' X 5' RCB STORM SEWER OUTFALL INTO HCFCU UNIT U101-00-00 (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$5,600.00	\$5,600.00	\$2,000.00	\$2,000.00	\$3,600.00	\$3,600.00
<b>SUBTOTAL DETENTION DRAINAGE ITEMS</b>					<b>\$546,105.30</b>		<b>\$535,718.00</b>		<b>\$526,874.80</b>
<b>MISCELLANEOUS DETENTION ITEMS</b>									
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	15,000	\$4.30	\$64,500.00	\$1.50	\$22,500.00	\$1.50	\$22,500.00
2.	TYPE II ROCK FILTER DAM AS SHOWN ON SHEET 8 OF PLANS, INCLUDES ALL MATERIALS PER HCFCU STORM WATER POLLUTION PREVENTION PLAN DETAILS SHEET 21, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00	\$1,500.00	\$3,000.00	\$250.00	\$500.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$300.00	\$6,000.00	\$200.00	\$4,000.00	\$200.00	\$4,000.00
4.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$400.00	\$4,000.00	\$300.00	\$3,000.00	\$300.00	\$3,000.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$3,600.00	\$36,000.00	\$3,000.00	\$30,000.00	\$3,000.00	\$30,000.00
6.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, STOCKPILING, AND SPREADING OF UNSUITABLE MATERIAL AND INCLUDES REPLACEMENT OF MATERIAL BY BLENDING WITH EXCAVATED MATERIAL FROM LAKES OR AS FINAL LIFT UPON FINAL COMPLETION OF FILL, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	50,000	\$3.30	\$165,000.00	\$1.50	\$75,000.00	\$1.50	\$75,000.00
7.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT LAKES, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN LAKES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	400	\$45.00	\$18,000.00	\$8.00	\$3,200.00	\$8.00	\$3,200.00
8.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT LAKES, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN LAKES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	200	\$50.00	\$10,000.00	\$12.00	\$2,400.00	\$12.00	\$2,400.00
9.	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	669	\$6.25	\$4,181.25	\$2.50	\$1,672.50	\$8.00	\$5,352.00
10.	BROADCAST SEEDING AND FINE GRADING, INCLUDES WATERING AND FERTILIZING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	10	\$800.00	\$8,000.00	\$800.00	\$8,000.00	\$350.00	\$3,500.00

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4) DOUBLE OAK CONSTRUCTION, INC.

5) S. THOMAS CONSTRUCTION, LLC

6) LONNIE LISCHKA COMPANY, LP

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCO SECTION 02921, INCLUDES WATERING AND FERTILIZING, (DRY APPLICATION), COMPLETE IN PLACE	AC	42.1	\$2,050.00	\$86,305.00	\$1,250.00	\$52,625.00	\$1,100.00	\$46,310.00
12.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER HARRIS COUNTY SPECIFICATIONS. ALL LINE SIZES AND DEPTHS. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$10.15	\$2,030.00	\$10.00	\$2,000.00	\$20.00	\$4,000.00
13.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$2,300.00	\$2,300.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
14.	REMOVE AND DISPOSE OF EXISTING BARBED WIRE FENCE AND ANY BRUSH ALONG EXISTING FENCE LINE, COMPLETE IN PLACE	LF	1,576	\$1.80	\$2,836.80	\$0.50	\$788.00	\$2.00	\$3,152.00
15.	5 STRAND, 4 POINT GAUCHO BARB WIRE FENCE, T-POST SPACED EVERY 12', 4' CREOSOTE POST EVERY 50', (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3,816	\$4.50	\$17,172.00	\$2.00	\$7,632.00	\$6.00	\$22,896.00
16.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), INCLUDES MAINTENANCE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	4,000	\$1.45	\$5,800.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00
17.	STAGE II INLET PROTECTION BARRIERS, (SAND BAGS FOR EXISTING INLETS), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	17	\$43.00	\$731.00	\$85.00	\$1,445.00	\$10.00	\$170.00
18.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$20.00	\$2,000.00	\$22.00	\$2,200.00	\$50.00	\$5,000.00
19.	CONSTRUCT, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	2	\$3,600.00	\$7,200.00	\$4,000.00	\$8,000.00	\$500.00	\$1,000.00
20.	CONCRETE TRUCK WASHOUT, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL COMPLETE IN PLACE	EA	1	\$300.00	\$300.00	\$2,800.00	\$2,800.00	\$500.00	\$500.00
21.	TRASH COLLECTION RACK, COMPLETE IN PLACE	LS	1	\$23,500.00	\$23,500.00	\$17,500.00	\$17,500.00	\$15,120.00	\$15,120.00
22.	PLUG AND CAP EXISTING WATER WELL PER TCEQ AND TDLR REGULATIONS AND SPECIFICATIONS (LOCATED WITHIN EXISTING LAKE #4). INCLUDES ALL MATERIALS, LABOR, FILINGS WITH TDLR, ETC. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$3,000.00	\$3,000.00	\$50,000.00	\$50,000.00	\$10,000.00	\$10,000.00
<b>SUBTOTAL MISCELLANEOUS DETENTION ITEMS</b>					<b>\$472,456.05</b>		<b>\$302,262.50</b>		<b>\$263,100.00</b>
<b>ALTERNATE BID ITEMS</b>									
1.	HAUL EXCAVATED MATERIAL FROM PROPOSED POND TO OFFITE DISPOSAL AREA IN LIEU OF DETENTION EXCAVATION ITEM NO. 2, COMPLETE IN PLACE	CY	88,744	\$20.00	\$1,774,880.00	\$12.00	\$1,064,928.00	\$25.00	\$2,218,600.00
<b>SUBTOTAL ALTERNATE BID ITEMS</b>					<b>\$1,774,880.00</b>		<b>\$1,064,928.00</b>		<b>\$2,218,600.00</b>
<b>BID SUMMARY</b>									
SUBTOTAL DETENTION EXCAVATION ITEMS					\$737,764.50		\$1,011,142.25		\$1,074,706.80
SUBTOTAL DETENTION DRAINAGE ITEMS					\$546,105.30		\$535,718.00		\$526,874.80
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$472,456.05		\$302,262.50		\$263,100.00
<b>TOTAL AMOUNT BID</b>					<b>\$1,756,325.85</b>		<b>\$1,849,122.75</b>		<b>\$1,864,681.60</b>

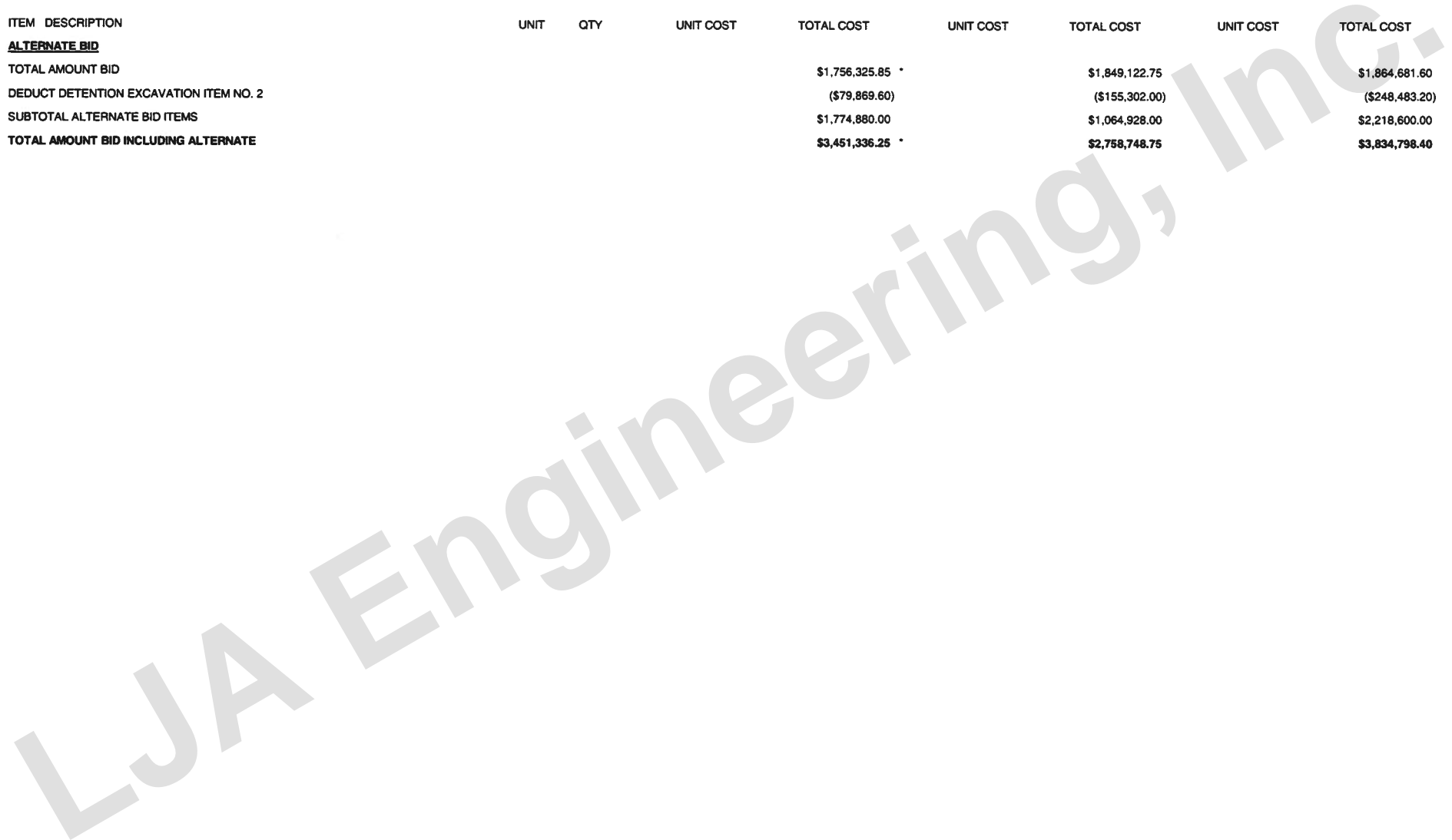
**BID TABULATION FOR:**

CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
 TO SERVE KATY LAKES SECTIONS 2 AND 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
 MAY 10, 2019  
 2636-0100 (9.2)

**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
**TABULATION BY:**  
**TABULATION DATE:**  
**LJA JOB NO.**

4) DOUBLE OAK CONSTRUCTION, INC.                      5) S. THOMAS CONSTRUCTION, LLC                      6) LONNIE LISCHKA COMPANY, LP

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b><u>ALTERNATE BID</u></b>								
TOTAL AMOUNT BID				\$1,756,325.85 *		\$1,849,122.75		\$1,864,681.60
DEDUCT DETENTION EXCAVATION ITEM NO. 2				(\$79,869.60)		(\$155,302.00)		(\$248,483.20)
SUBTOTAL ALTERNATE BID ITEMS				\$1,774,880.00		\$1,064,928.00		\$2,218,600.00
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE</b>				<b>\$3,451,336.25 *</b>		<b>\$2,759,748.75</b>		<b>\$3,834,798.40</b>



**BID TABULATION FOR:**

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CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
 TO SERVE KATY LAKES SECTIONS 2 AND 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
 MAY 10, 2019  
 2636-0100 (9.2)

7) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY      8) HARRIS CONSTRUCTION COMPANY, LTD.      9) R & T ELLIS EXCAVATING, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>DETENTION EXCAVATION ITEMS</b>									
1.	DETENTION EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	88,744	\$2.35	\$208,548.40	\$1.90	\$168,613.60	\$2.00	\$177,488.00
2.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED DETENTION MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	88,744	\$2.45	\$217,422.80	\$1.90	\$168,613.60	\$3.00	\$266,232.00
3.	AMENITY EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	114,870	\$2.35	\$269,944.50	\$1.90	\$218,253.00	\$2.00	\$229,740.00
4.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED AMENITY MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	114,870	\$2.45	\$281,431.50	\$1.90	\$218,253.00	\$3.00	\$344,610.00
5.	MITIGATION EXCAVATION FROM LAKES '2', '3', AND '4', AND HAUL TO FILL AREAS, COMPLETE IN PLACE	CY	4,356	\$2.35	\$10,236.60	\$1.90	\$8,276.40	\$2.00	\$8,712.00
6.	PLACEMENT, GRADING, AND COMPACTION (95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS) OF EXCAVATED MITIGATION MATERIAL, AS SHOWN ON GRADING PLAN, INCLUDES FILL AREAS, COMPLETE IN PLACE	CY	4,356	\$2.40	\$10,454.40	\$1.90	\$8,276.40	\$3.50	\$15,246.00
7.	MANIPULATION OF EXISTING SOIL WITHIN POND BOTTOM AND SIDES BELOW WATER SURFACE ELEVATION, INCLUDES MOISTURE CONDITIONING BY SCARIFYING TO A MINIMUM DEPTH OF 12 INCHES AND COMPACTION TO 95% STANDARD PROCTOR DENSITY IN MAXIMUM 8" LIFTS, COMPLETE IN PLACE	SY	101,127	\$1.50	\$151,690.50	\$2.50	\$252,817.50	\$3.00	\$303,381.00
8.	CLEARING & GRUBBING OF EXCAVATION AND FILL AREAS, COMPLETE IN PLACE	AC	3	\$8,000.00	\$24,000.00	\$6,500.00	\$19,500.00	\$10,000.00	\$30,000.00
<b>SUBTOTAL DETENTION EXCAVATION ITEMS</b>					<b>\$1,173,728.70</b>		<b>\$1,062,603.50</b>		<b>\$1,375,409.00</b>
<b>DETENTION DRAINAGE ITEMS</b>									
1.	24" STORM SEWER, RCP, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING, COMPLETE IN PLACE	LF	8	\$60.00	\$480.00	\$100.00	\$800.00	\$70.00	\$560.00
2.	36" STORM SEWER, RCP, ASTM C-76, CLASS III, ALL CUTS, TO INCLUDE BEDDING, COMPLETE IN PLACE	LF	167	\$100.00	\$16,700.00	\$154.25	\$25,759.75	\$140.00	\$23,380.00
3.	6'X4' STORM SEWER, RCB, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	370	\$425.00	\$157,250.00	\$445.50	\$164,835.00	\$490.00	\$181,300.00
4.	10'X5' STORM SEWER, RCB, ASTM C-1433, CLASS III, ALL CUTS, TO INCLUDE BEDDING AND BACKFILL, COMPLETE IN PLACE	LF	124	\$770.00	\$95,480.00	\$849.00	\$105,276.00	\$1,010.00	\$125,240.00
5.	TYPE "C" MANHOLE FOR 42" STORM SEWER AND SMALLER, ALL DEPTHS, COMPLETE IN PLACE	EA	1	\$2,100.00	\$2,100.00	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00
6.	STORM JUNCTION BOX WITH TYPE "C" MANHOLE TOP FOR 6'X4" RCB, ALL DEPTHS, INCLUDES FINAL ADJUSTMENT OF MANHOLE TOP, COMPLETE IN PLACE	EA	1	\$15,000.00	\$15,000.00	\$14,885.00	\$14,885.00	\$15,500.00	\$15,500.00
7.	8" BRICK WALL PLUG FOR 24" RCP, COMPLETE IN PLACE	EA	3	\$600.00	\$1,800.00	\$300.00	\$900.00	\$800.00	\$2,400.00
8.	8" BRICK WALL PLUG FOR 36" RCP, COMPLETE IN PLACE	EA	1	\$600.00	\$600.00	\$450.00	\$450.00	\$1,000.00	\$1,000.00
9.	TRENCH SAFETY SYSTEM, ALL DEPTHS, INCLUDING TRENCH SAFETY FOR STORM SEWER PIPES, COMPLETE IN PLACE	LF	669	\$0.05	\$33.45	\$6.00	\$4,014.00	\$1.25	\$836.25
10.	OVERFLOW SWALE, 2' BOTTOM WIDTH, 3:1 SIDE SLOPES, COMPLETE IN PLACE	LF	3,178	\$7.00	\$22,246.00	\$7.00	\$22,246.00	\$7.00	\$22,246.00
11.	DRAINAGE SWALES, V-BOTTOM, 4:1 SIDE SLOPES, COMPLETE IN PLACE	LF	1,263	\$7.00	\$8,841.00	\$3.00	\$3,789.00	\$10.00	\$12,630.00

\* MATHEMATICAL ERROR

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CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
 TO SERVE KATY LAKES SECTIONS 2 AND 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
 MAY 10, 2019  
 2636-0100 (9.2)

**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
**TABULATION BY:**  
**TABULATION DATE:**  
**LJA JOB NO.**

ITEM	DESCRIPTION	UNIT	QTY	7) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY		8) HARRIS CONSTRUCTION COMPANY, LTD.		9) R & T ELLIS EXCAVATING, INC.	
				UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
12.	DEWATERING OF STORM SEWER LINE WORK, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$30.00	\$6,000.00	\$35.00	\$7,000.00	\$35.00	\$7,000.00
13.	HAUL, PLACE, AND COMPACT STORM SEWER UTILITY SPOIL ON LOTS, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$7,500.00	\$7,500.00	\$6,000.00	\$6,000.00	\$15,000.00	\$15,000.00
14.	5' REINFORCED CONCRETE SLOPE PAVING, INCLUDING 3' TOE WALL AROUND EDGES, COMPLETE IN PLACE	SY	112	\$125.00	\$14,000.00	\$120.25	\$13,468.00	\$100.00	\$11,200.00
15.	RIP RAP FOR 10'X5' RCB STORM SEWER, INCLUDES GEOTECHNICAL WOVEN FABRIC UNDERLAY, COMPLETE IN PLACE	SY	90	\$100.00	\$9,000.00	\$120.00	\$10,800.00	\$75.00	\$6,750.00
16.	COFFER DAM FOR LAKES, INCLUDES BYPASS PUMPING TO FACILITATE OUTFALL CONSTRUCTION, COMPLETE IN PLACE	EA	4	\$13,000.00	\$52,000.00	\$10,000.00	\$40,000.00	\$7,000.00	\$28,000.00
17.	CONCRETE OVERFLOW STRUCTURE AT LAKE '4' INTO TRASH COLLECTION RACK (PER DETAIL ON PLAN SHEET 27), TO BE VERIFIED AFTER COMPLETION PRIOR TO PAYMENT, COMPLETE IN PLACE	SY	200	\$130.00	\$26,000.00	\$125.00	\$25,000.00	\$142.50	\$28,500.00
18.	EARTHEN WEIR OVERFLOW STRUCTURE BETWEEN LAKES '3' AND '4' (PER DETAIL ON PLAN SHEET), COMPLETE IN PLACE	EA	1	\$2,000.00	\$2,000.00	\$6,025.00	\$6,025.00	\$7,700.00	\$7,700.00
19.	BREAK INTO EXISTING MANHOLE AND CONNECT PROPOSED 36" STORM SEWER, INCLUDES TEMPORARY BRICK WALL PLUG AND BYPASS PUMPING (AS NEEDED), COMPLETE IN PLACE	EA	1	\$4,000.00	\$4,000.00	\$750.00	\$750.00	\$12,000.00	\$12,000.00
20.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING TYPE 'C' MANHOLE FOR 42" STORM SEWER AND SMALLER, COMPLETE IN PLACE	EA	1	\$1,100.00	\$1,100.00	\$500.00	\$500.00	\$4,000.00	\$4,000.00
21.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING 36" STORM SEWER, RCP, ALL CUTS, COMPLETE IN PLACE	LF	68	\$60.00	\$4,080.00	\$15.00	\$1,020.00	\$65.00	\$4,420.00
22.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING 36" STORM SEWER, CMP, ALL CUTS, COMPLETE IN PLACE	LF	78	\$50.00	\$3,900.00	\$15.00	\$1,170.00	\$60.00	\$4,680.00
23.	CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING STORM SEWER OUTFALL, INCLUDES 5' REINFORCED CONCRETE SLOPE PAVING, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$12,000.00	\$12,000.00	\$15,000.00	\$15,000.00
24.	CONTRACTOR SHALL MODIFY EXISTING GRADE 1 RIP RAP FOR THE CONSTRUCTION OF PROPOSED 10' X 5' STORM SEWER, RCB, DOES NOT INCLUDE 18" RIP RAP, TO BE VERIFIED AFTER COMPLETION PRIOR TO PAYMENT, COMPLETE IN PLACE	SY	185	\$25.00	\$4,625.00	\$96.00	\$17,760.00	\$81.08	\$14,999.80 *
25.	CONTRACTOR SHALL DOWEL INTO EXISTING 20' WIDE CONCRETE SHELF AND CONNECT PROPOSED 15' CONCRETE SHELF, INCLUDES CONCRETE SHELF, COMPLETE IN PLACE	LS	1	\$30,000.00	\$30,000.00	\$16,750.00	\$16,750.00	\$20,000.00	\$20,000.00
26.	CONTRACTOR SHALL REPAIR EXISTING LAKE '4' TO ORIGINAL CONDITIONS OR BETTER AFTER INSTALLATION OF PROPOSED 10' X 5' RCB STORM SEWER, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$4,000.00	\$4,000.00	\$12,500.00	\$12,500.00	\$25,000.00	\$25,000.00
27.	CONTRACTOR SHALL REMOVE AND REPLACE EXISTING OUTFALL WINGWALL STRUCTURES, COMPLETE IN PLACE	LS	1	\$5,000.00	\$5,000.00	\$18,750.00	\$18,750.00	\$150,000.00	\$150,000.00
28.	CONTRACTOR SHALL EXTEND EXISTING HEADWALL STRUCTURE AND CONNECT PROPOSED 10'X5' RCB STORM SEWER (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$25,000.00	\$25,000.00	\$57,500.00	\$57,500.00	\$100,000.00	\$100,000.00

\* MATHEMATICAL ERROR

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CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
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 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
 MAY 10, 2019  
 2636-0100 (9.2)

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**LJA JOB NO.**

7) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY      8) HARRIS CONSTRUCTION COMPANY, LTD.      9) R & T ELLIS EXCAVATING, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
29.	AS-BUILT SURVEY OF ALL LAKE AND FILL AREAS UPON COMPLETION, CONTRACTORS SURVEY OR TO PROVIDE CERTIFIED TOPOGRAPHIC SURVEY, GRID SPACING SHALL BE 100' MAXIMUM, INCLUDES 3D FILE IN CAD FORMAT, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$20,000.00	\$20,000.00	\$35,000.00	\$35,000.00	\$25,000.00	\$25,000.00
30.	CONTRACTOR SHALL CLEAN OUT EXISTING 10' X 5' RCB STORM SEWER OUTFALL INTO HCFCO UNIT U101-00-00 (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LS	1	\$2,000.00	\$2,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
<b>SUBTOTAL DETENTION DRAINAGE ITEMS</b>					<b>\$545,735.45</b>		<b>\$637,947.75</b>		<b>\$876,842.05 *</b>
<b>MISCELLANEOUS DETENTION ITEMS</b>									
1.	2' CLAY LINER TO BE USED WHERE UNSUITABLE SOILS OCCUR DURING EXCAVATION, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), INCLUDES EXTRA EXCAVATION, STOCKPILING OF SUITABLE MATERIAL FROM LAKES, HAULING, PLACEMENT AND COMPACTION OF SUITABLE MATERIAL FOR LAKE LINING, COMPLETE IN PLACE	CY	15,000	\$1.50	\$22,500.00	\$3.00	\$45,000.00	\$3.00	\$45,000.00
2.	TYPE II ROCK FILTER DAM AS SHOWN ON SHEET 8 OF PLANS, INCLUDES ALL MATERIALS PER HCFCO STORM WATER POLLUTION PREVENTION PLAN DETAILS SHEET 21, COMPLETE IN PLACE	EA	2	\$1,000.00	\$2,000.00	\$4,500.00	\$9,000.00	\$1,800.00	\$3,600.00
3.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 12 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	20	\$200.00	\$4,000.00	\$200.00	\$4,000.00	\$300.00	\$6,000.00
4.	ADDITIONAL COST TO SCARIFY AREAS TO RECEIVE FILL TO A DEPTH OF 24 INCHES TO AERATE THE SUBGRADE SOILS AND RE-COMPACT TO 95% STANDARD PROCTOR DENSITY WITH MAXIMUM 8" LIFTS (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$300.00	\$3,000.00	\$300.00	\$3,000.00	\$400.00	\$4,000.00
5.	DEWATERING (GROUNDWATER CONTROL) TO COMPLETE THE CONSTRUCTION OF PONDS, INCLUDES CONVENTIONAL VACUUM TYPE WELL POINTS, INTERNAL SUMPS AND PUMPS OR ANY TYPE OF PUMPING AS NECESSARY TO COMPLETE THE CONSTRUCTION OF THE PROJECT, (TO BE USED ONLY AT THE DIRECTION OF THE ENGINEER), COMPLETE IN PLACE	AC	10	\$3,000.00	\$30,000.00	\$3,000.00	\$30,000.00	\$5,000.00	\$50,000.00
6.	OVER EXCAVATION OF UNSUITABLE MATERIAL PRIOR TO FILL PLACEMENT WITHIN FILL AREAS, INCLUDES EXCAVATION, DEMUCKING, STOCKPILING, AND SPREADING OF UNSUITABLE MATERIAL AND INCLUDES REPLACEMENT OF MATERIAL BY BLENDING WITH EXCAVATED MATERIAL FROM LAKES OR AS FINAL LIFT UPON FINAL COMPLETION OF FILL, (AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	50,000	\$1.50	\$75,000.00	\$1.50	\$75,000.00	\$3.00	\$150,000.00
7.	6" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT LAKES, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN LAKES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	400	\$8.00	\$3,200.00	\$60.00	\$24,000.00	\$10.00	\$4,000.00
8.	8" PORTABLE PUMP FOR REMOVAL OF SURFACE WATER REQUIRED TO CONSTRUCT LAKES, UTILITIES, AND OUTFALLS AND FOR REMOVAL OF WATER IN LAKES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	HR	200	\$12.00	\$2,400.00	\$100.00	\$20,000.00	\$15.00	\$3,000.00
9.	CONTRACTOR SHALL TV & CLEAN PROPOSED STORM SEWER, ALL SIZES, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	669	\$10.00	\$6,690.00	\$12.00	\$8,028.00	\$20.00	\$13,380.00
10.	BROADCAST SEEDING AND FINE GRADING, INCLUDES WATERING AND FERTILIZING, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	AC	10	\$600.00	\$6,000.00	\$800.00	\$8,000.00	\$650.00	\$6,500.00

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 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
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 LJA ENGINEERING, INC.  
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7) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY      8) HARRIS CONSTRUCTION COMPANY, LTD.      9) R & T ELLIS EXCAVATING, INC.

ITEM	DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
11.	HYDROMULCH SEEDING OF LAKE RESERVE ABOVE SPECIFIED WATER SURFACE ELEVATION PER HCFCO SECTION 02921, INCLUDES WATERING AND FERTILIZING, (DRY APPLICATION), COMPLETE IN PLACE	AC	42.1	\$1,800.00	\$75,780.00	\$2,900.00	\$122,090.00	\$1,750.00	\$73,675.00
12.	EXTRA COST OF STORM SEWER WET SAND CONSTRUCTION AS PER HARRIS COUNTY SPECIFICATIONS. ALL LINE SIZES AND DEPTHS. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	200	\$10.00	\$2,000.00	\$10.00	\$2,000.00	\$15.00	\$3,000.00
13.	STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE, INCLUDES GENERAL SOURCE CONTROL AND ALL OTHER ITEMS NOT SPECIFICALLY LISTED, COMPLETE IN PLACE	LS	1	\$500.00	\$500.00	\$500.00	\$500.00	\$3,000.00	\$3,000.00
14.	REMOVE AND DISPOSE OF EXISTING BARBED WIRE FENCE AND ANY BRUSH ALONG EXISTING FENCE LINE, COMPLETE IN PLACE	LF	1,576	\$2.00	\$3,152.00	\$0.50	\$788.00	\$1.00	\$1,576.00
15.	5 STRAND, 4 POINT GAUCHO BARB WIRE FENCE, T-POST SPACED EVERY 12', 4' CREOSOTE POST EVERY 50', (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	3,816	\$2.00	\$7,632.00	\$4.00	\$15,264.00	\$4.00	\$15,264.00
16.	REINFORCED FILTER FABRIC FENCE (SILT BARRIER FENCING), INCLUDES MAINTENANCE, (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	LF	4,000	\$1.00	\$4,000.00	\$1.50	\$6,000.00	\$1.50	\$6,000.00
17.	STAGE II INLET PROTECTION BARRIERS, (SAND BAGS FOR EXISTING INLETS), (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	17	\$50.00	\$850.00	\$50.00	\$850.00	\$45.00	\$765.00
18.	EXTRA CEMENT STABILIZED SAND (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	CY	100	\$30.00	\$3,000.00	\$60.00	\$6,000.00	\$25.00	\$2,500.00
19.	CONSTRUCT, MAINTAIN, AND REMOVE STABILIZED CONSTRUCTION EXIT, COMPLETE IN PLACE	EA	2	\$1,800.00	\$3,600.00	\$2,400.00	\$4,800.00	\$3,000.00	\$6,000.00
20.	CONCRETE TRUCK WASHOUT, INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL COMPLETE IN PLACE	EA	1	\$600.00	\$600.00	\$900.00	\$900.00	\$1,500.00	\$1,500.00
21.	TRASH COLLECTION RACK, COMPLETE IN PLACE	LS	1	\$18,000.00	\$18,000.00	\$34,950.00	\$34,950.00	\$1,000.00	\$1,000.00
22.	PLUG AND CAP EXISTING WATER WELL PER TCEQ AND TDLR REGULATIONS AND SPECIFICATIONS (LOCATED WITHIN EXISTING LAKE 4), INCLUDES ALL MATERIALS, LABOR, FILINGS WITH TDLR, ETC. (TO BE USED ONLY AS DIRECTED BY THE ENGINEER), COMPLETE IN PLACE	EA	1	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
<b>SUBTOTAL MISCELLANEOUS DETENTION ITEMS</b>					<b>\$279,904.00</b>		<b>\$430,170.00</b>		<b>\$409,760.00</b>
<b>ALTERNATE BID ITEMS</b>									
1.	HAUL EXCAVATED MATERIAL FROM PROPOSED POND TO OFFITE DISPOSAL AREA IN LIEU OF DETENTION EXCAVATION ITEM NO. 2, COMPLETE IN PLACE	CY	88,744	\$20.00	\$1,774,880.00	\$12.00	\$1,064,928.00	\$16.00	\$1,419,904.00
<b>SUBTOTAL ALTERNATE BID ITEMS</b>					<b>\$1,774,880.00</b>		<b>\$1,064,928.00</b>		<b>\$1,419,904.00</b>
<b>BID SUMMARY</b>									
SUBTOTAL DETENTION EXCAVATION ITEMS					\$1,173,728.70		\$1,062,603.50		\$1,375,409.00
SUBTOTAL DETENTION DRAINAGE ITEMS					\$545,735.45		\$637,947.75		\$878,842.05
SUBTOTAL MISCELLANEOUS DETENTION ITEMS					\$279,904.00		\$430,170.00		\$409,760.00
<b>TOTAL AMOUNT BID</b>					<b>\$1,999,368.15</b>		<b>\$2,130,721.25</b>		<b>\$2,664,011.05</b>

**BID TABULATION FOR:**

CONSTRUCTION OF THE PHASE 2 DETENTION FACILITIES  
 TO SERVE KATY LAKES SECTIONS 2 AND 3  
 HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 538  
 CITY OF HOUSTON, E.T.J., HARRIS COUNTY, TEXAS  
 MAY 9, 2019  
 LJA ENGINEERING, INC.  
 L. MARTINEZ  
 MAY 10, 2019  
 2636-0100 (9.2)

**BID OPENING DATE:**  
**BID OPENING LOCATION:**  
**TABULATION BY:**  
**TABULATION DATE:**  
**LJA JOB NO.**

7) R CONSTRUCTION CIVIL, LLC DBA R CONSTRUCTION COMPANY      8) HARRIS CONSTRUCTION COMPANY, LTD.      9) R & T ELLIS EXCAVATING, INC.

ITEM DESCRIPTION	UNIT	QTY	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
<b>ALTERNATE BID</b>								
TOTAL AMOUNT BID				\$1,999,368.15		\$2,130,721.25		\$2,664,011.05
DEDUCT DETENTION EXCAVATION ITEM NO. 2				(\$217,422.80)		(\$168,613.60)		(\$266,232.00)
SUBTOTAL ALTERNATE BID ITEMS				\$1,774,880.00		\$1,064,928.00		\$1,419,904.00
<b>TOTAL AMOUNT BID INCLUDING ALTERNATE</b>				<b>\$3,556,825.35</b>		<b>\$3,027,035.65</b>		<b>\$3,817,683.05</b>

